

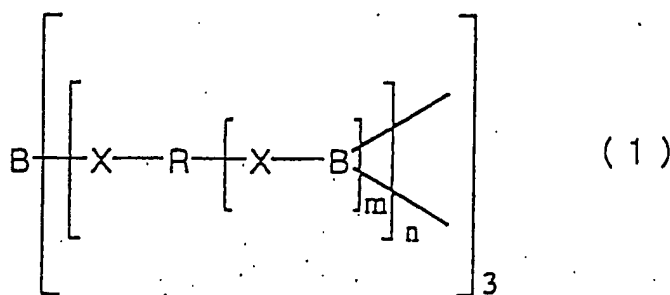
AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (canceled)

2. (currently amended) ~~[[The]]~~ An ion-conductive polymeric compound ~~according to claim 1 having being~~ represented by the following general formula (1)

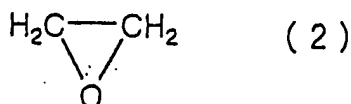


wherein X represents a hetero-atom, R represents a divalent to hexavalent group having a molecular weight of at least 150, m represents an integer of 1 to 5, and n represents a recurring number of 1 or more.

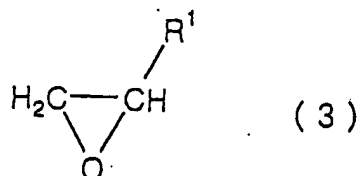
3. (currently amended) The ion-conductive polymeric compound according to claim [[1 or]] 2, wherein the hetero-atom represented by X in general formula (1) is an oxygen atom.

4. (currently amended) The ion-conductive polymeric compound according to claim [[1 or]] 2, wherein the group represented by R in general formula (1) is a polymer or a copolymer of compound (A) represented by the following formula (2) and/or compound (B) represented by the following formula (3)

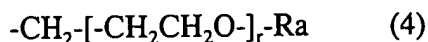
compound (A)



compound (B)

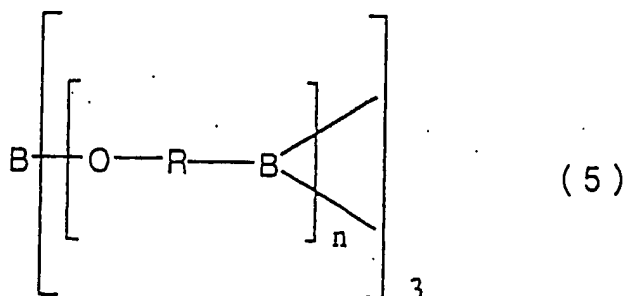


wherein R¹ represents a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4)

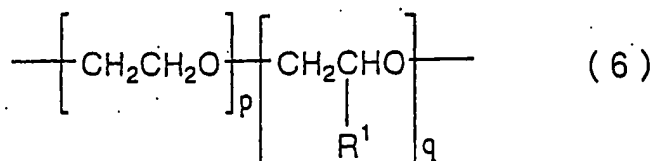


wherein r represents 0 or an integer of 1 or more, and Ra represents a methyl group, an ethyl group, a propyl group or a butyl group.

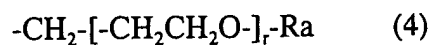
5. (currently amended) The An ion-conductive polymeric compound according to claim 1 having the following general formula (5)



wherein R represents a divalent group having a molecular weight of at least 150, represented by the following formula (6), and n represents a recurring number of 1 or more

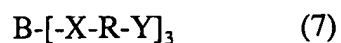


wherein R¹ is a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4), p represents an integer of 0 to 38,000, and q represents an integer of 0 to 28,000, provided p and q are not 0 at the same time



wherein r represents 0 or an integer of 1 or more, and R_a represents a methyl group, an ethyl group, a propyl group or a butyl group.

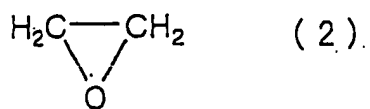
6. (currently amended) ~~The~~ An ion-conductive polymeric compound ~~according to claim 1~~ obtained by crosslinking a compound represented by the following general formula (7)



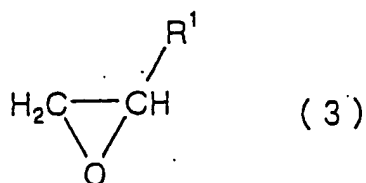
wherein X represents a hetero-atom, R represents a divalent group having a molecular weight of at least 150, and Y represents a polymerizable functional group.

7. (previously presented) The ion-conductive polymeric compound according to claim 6, wherein R in general formula (7) is a polymer or a copolymer of compound (A) represented by the following formula (2) and/or compound (B) represented by the following formula (3)

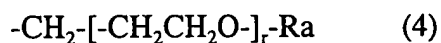
compound (A)



compound (B)

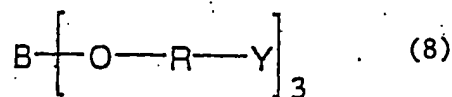


wherein R^1 represents a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4)

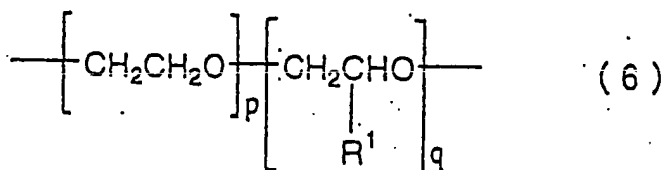


wherein r represents 0 or an integer of 1 or more, and Ra represents a methyl group, an ethyl group, a propyl group or a butyl group.

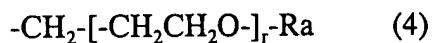
8. (previously presented) The ion-conductive polymeric compound according to claim 6 or 7, wherein the compound represented by general formula (7) is represented by the following general formula (8)



wherein R represents a divalent group having a molecular weight of at least 150, represented by the following formula (6), and Y represents a polymerizable functional group



wherein R¹ represents a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4), p represents an integer of 0 to 38,000, and q represents an integer of 0 to 28,000, provided p and q are not 0 at the same time

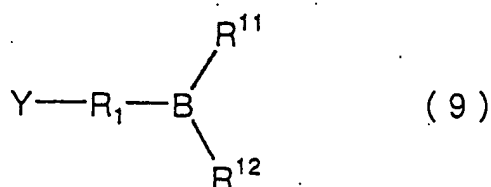


wherein r represents 0 or an integer of 1 or more, and Ra represents a methyl group, an ethyl group, a propyl group or a butyl group.

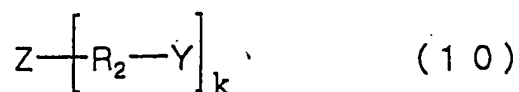
9. (previously presented) The ion-conductive polymeric compound according to claim 6 or 7, wherein the polymerizable functional group represented by Y is one or more selected from the group consisting of an acrylic residue, a methacrylic residue, an allyl group and a vinyl group.

10. - 12. (canceled)

13. (currently amended) [[The]] An ion-conductive polymeric compound according to claim 10 or 11 obtained by polymerizing a mixture of compounds represented by the following formulas (9) and (10) respectively.



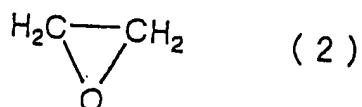
wherein R_1 represents a divalent group having a molecular weight of at least 100, Y represents a polymerizable functional group, and R^{11} and R^{12} , which may be the same or different, each represent a hydrogen atom, a halogen atom or a monovalent group, or R^{11} and R^{12} are bound to each other to form a ring



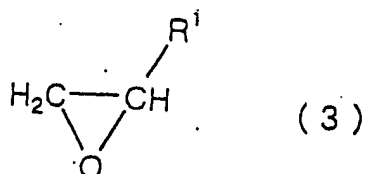
wherein R_2 represents a divalent group having a molecular weight of at least 150, Y represents a polymerizable functional group, Z represents an active hydrogen residue, and k represents an integer of 2 to 6.

14. (previously presented) The ion-conductive polymeric compound according to claim 13, wherein R_1 in general formula (9) and/or R_2 in general formula (10) is a polymer of compound (A) represented by the following formula (2) and/or compound (B) represented by the following formula (3)

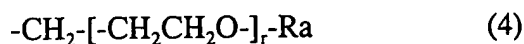
compound (A)



compound (B)

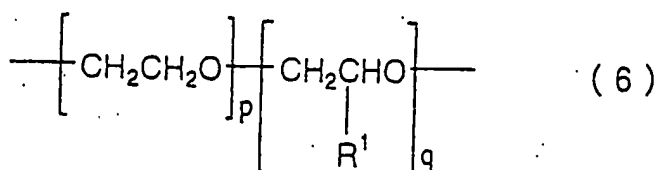


wherein R^1 represents a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4)

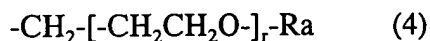


wherein r represents 0 or an integer of 1 or more, and Ra represents a methyl group, an ethyl group, a propyl group or a butyl group.

15. (previously presented) The ion-conductive polymeric compound according to claim 13, wherein R_1 in general formula (9) and/or R_2 in general formula (10) is a divalent group represented by the following formula



wherein R^1 represents a methyl group, an ethyl group, a propyl group, a butyl group or a group represented by the following formula (4), p represents an integer of 0 to 38,000, and q represents an integer of 0 to 28,000, provided p and q are not 0 at the same time



wherein r represents 0 or an integer of 1 or more, and R_a represents a methyl group, an ethyl group, a propyl group or a butyl group.

16. (previously presented) The ion-conductive polymeric compound according to claim 13, wherein R^{11} and R^{12} in general formula (9) are one or more selected from the group consisting of an alkyl group, an aryl group, derivatives thereof and fluorine-substituted derivatives thereof.

17. (currently amended) A polymeric electrolyte using one or more types of the ion-conductive polymeric compound according to any one of claims ~~1 to 16~~ 2, 5, 6 and 13.

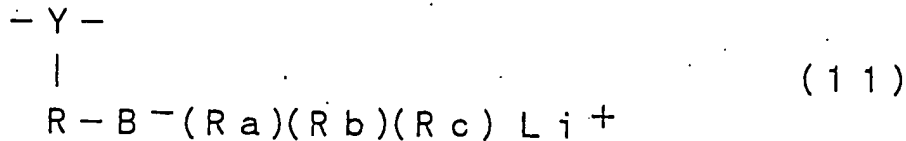
18. (currently amended) A polymeric electrolyte comprising one or more types of the ion-conductive polymeric compound according to any one of claims ~~1 to 16~~ 2, 5, 6 and 13, and an electrolytic salt.

19. (previously presented) The polymeric electrolyte according to claim 18, further comprising a nonaqueous solvent.

20. (previously presented) The polymeric electrolyte according to claim 19, wherein the nonaqueous solvent is an aprotic solvent.

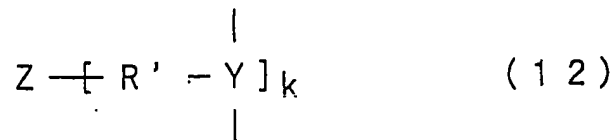
21. (canceled)

22. (currently amended) ~~[[The]]~~ A polymeric electrolyte according to claim 21, wherein the polymeric compound has a structural unit represented by the following general formula (11) in a molecule



wherein Y represents a residue of a polymerizable functional group, R represents a group capable of being bound to the polymerizable functional group and the boron atom and having a molecular weight of at least 40, and Ra, Rb and Rc, which may be the same or different, each represent a group capable of being bound to the boron atom.

23. (previously presented) The polymeric electrolyte according to claim 22, wherein the polymeric compound is a copolymer further having a structural unit represented by the following general formula (12)



wherein Y represents a residue of a polymerizable functional group,
Z represents a residue of an active hydrogen compound, R'
represents a divalent group having a molecular weight of at least
150, and k represents an integer of 2 to 6.

24. (currently amended) The polymeric electrolyte according to claim ~~21~~22,
which further comprises an aprotic solvent.

25. (currently amended) The polymeric electrolyte according to any one of
claims ~~21 to 23~~22 to 24, which further comprises an electrolytic salt.

26. (currently amended) The polymeric electrolyte according to claim
[[25]]18, wherein the electrolytic salt is a lithium salt.

27. (previously presented) The polymeric electrolyte according to claim 26,
wherein the lithium salt is one or more selected from the group consisting of
LiBF₄, LiPF₆, LiClO₄, LiAsF₆, LiCF₃SO₃, LiN(CF₃SO₂)₂, LiN(C₂F₅SO₂)₂,
LiC(CF₃SO₂)₃, LiCl, LiF, LiBr, LiI, derivatives and thereof.

28. (currently amended) The polymeric electrolyte according to claim 20 or 24, wherein the aprotic solvent is one or more selected from the group consisting of carbonates, lactones, ethers, sulfolanes and dioxolanes.

29. (currently amended) An electric device comprising the polymeric electrolyte according to claim ~~18~~17.

30. (currently amended) A cell comprising a positive electrode, a negative electrode and the polymeric electrolyte according to claim ~~18~~17, said electrodes being linked through said electrolyte.

31. (previously presented) The cell according to claim 30, wherein the positive electrode is made of a double metal oxide capable of occluding and releasing lithium ions, and the negative electrode is made of a lithium metal, a lithium alloy or a compound capable of occluding and releasing lithium ions reversibly.